Environmental, Safety and Regulatory Compliance

Marathon Pipe Line LLC

539 South Main Street
Findlay, OH 45840
Telephone: (419) 421-3295

September 22, 2009

Ronnie Thomson
Division of Water – KPDES Branch
Operational Permits Section
200 Fair Oaks Lane
Frankfort, KY 40601

Re: Permit Renewal Application
KPDES Permit KY0093726

Dear Mr. Thomson:

Per your written request dated September 3, 2009 regarding the above referenced Permit Application – KPDES Permit KY0093726, please find enclosed KPDES Form F.

Please feel free to contact me with questions or concerns at 419-421-3295.

Thomas A. Ross

ES&R Professional
Marathon Pipe Line LLC

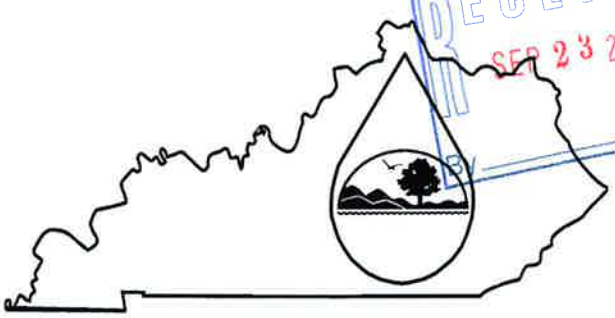
/tar

Enclosures

Cc: Kentucky NPDES Permit File

Form F

KPDES FORM F



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, Contact KPDES Branch, (502) 564-3410.

I. OUTFALL LOCATION — AGENCY USE

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and name the receiving water.

A. Outfall Number	B. Latitude			C. Longitude			D. Receiving Water (name)
001 & 002	37	46	37N	87	04	21N	Unamed tributary to yellow creek
005 & 006	37	51	47N	85	43	1W	Road Ditch
007	38	5	24N	85	26	24W	Road Ditch
010	38	21	18N	82	36	48N	Unamed tributary to Campbell Run

II. IMPROVEMENTS

A. Are you now required by any federal, state, or local authority to meet any implementaiton schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls No.	Source of Discharge	3. Brief Description of Project	4. Final Compliance Date a. req.	b. proj.
N/A					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. SITE DRAINAGE MAP

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each know past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage of disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

IV. NARRATIVE DESCRIPTION OF POLLUTANT SOURCES

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001,002 007	N/A	001,002See attached run-off map. 007 - 400 ft 2	005,006 010	N/A	See attached run-off map 010 - 900 ft 2.

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

All outfall locations are DOT Jurisdictional pipeline breakout stations. In each case the sites are used to store and transfer petroleum liquids, both refined and crude type. In the case of outfall 007 storage includes Jet Fuel only. All storage is located in above ground storage tanks. All tankage is contained within secondary containment dikes that allot for 110% of storage capacity for the largest AST at the location. Only stormwater accumulated within the tank dikes is drained through the above referenced outfalls.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table F-1
001,002,005,006,007,010.	None.	4-A

V. NON-STORM WATER DISCHARGES

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-storm water discharges, and that all non-storm water discharges from these outfall(s) are identified in either an accompanying Form C or Form SC application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
John Swearingen, President Marathon Pipe Line LLC	John Swearingen	9/22/09

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

Monthly observation and sampling.

VI. SIGNIFICANT LEAKS OR SPILLS

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

None

VII. DISCHARGE INFORMATION

A,B,C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables F-1, F-2, and F-3 are included on separate pages.

E: Potential discharges not covered by analysis - is any toxic pollutant listed in Table F-2, F-3, or F-4, a substance which you currently use or manufacture as an intermediate or final product or by product.

☐ Yes (list all such pollutants below) ☒ No (go to Section IX)

VIII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (list all such results below) ☒ No (go to Section IX)

IX. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in item VII performed by a contract laboratory or consulting firm?

☒ Yes (list the name, address and telephone number of, and pollutants analyzed by each such laboratory or firm below; use additional sheets if necessary).

☐ No (go to Section IX)

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Refining Analytical& Development	11631 U.S. Rt 23, Cattletsburg, KY 41129	606-921-2649	Oil and Grease, TSS, BOD5, Chlorine, COD, TOC, Ammonia, pH, Temperature.

X. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

NAME & OFFICIAL TITLE (type or print)	**AREA CODE AND PHONE NO.**
Mr. ☒ Ms. ☐ John Swearingen	419-421-3295
SIGNATURE John Swearingen	**DATE SIGNED** 9/22/09

VII. DISCHARGE INFORMATION	OUTFALL NO: 001 & 002

Part A - **You must provide the results of at least one analysis for every pollutant in this table.** Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	BDL	N/A	BDL	N/A	1	N/A
Biological Oxygen Demand BOD_5	3 mg/L	N/A	3 mg/L	N/A	1	Unknown
Chemical Oxygen Demand (COD)	37 mg/L	N/A	37 mg/L	N/A	1	Unknown
Total Suspended Solids (TSS)	65 mg/L	N/A	11 mg/L	N/A	12	Soil excavations
Total Kjeldahl Nitrogen	BDL	N/A	BDL	N/A	1	N/A
Nitrate plus Nitrite Nitrogen	BDL	N/A	BDL	N/A	1	N/A
Total Phosphorus	BDL	N/A	BDL	N/A	1	N/A
pH	Minimum	Maximum	Minimum	Maximum	12	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
N/A						

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
N/A					

7. Provide a description of the method of flow measurement or estimate.

N/A

VII. DISCHARGE INFORMATION	OUTFALL NO: 005 & 006

Part A - **You must provide the results of at least one analysis for every pollutant in this table.** Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	BDL	N/A	BDL	N/A	1	N/A
Biological Oxygen Demand BOD_5	3 mg/L	N/A	3 mg/L	N/A	1	Unknown
Chemical Oxygen Demand (COD)	37 mg/L	N/A	37 mg/L	N/A	1	Unknown
Total Suspended Solids (TSS)	65 mg/L	N/A	11 mg/L	N/A	12	Soil excavations
Total Kjeldahl Nitrogen	BDL	N/A	BDL	N/A	1	N/A
Nitrate plus Nitrite Nitrogen	BDL	N/A	BDL	N/A	1	N/A
Total Phosphorus	BDL	N/A	BDL	N/A	1	N/A
pH	Minimum	Maximum	Minimum	Maximum	12	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
N/A						

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
N/A					

7. Provide a description of the method of flow measurement or estimate.

N/A

VII. DISCHARGE INFORMATION	OUTFALL NO: 007

Part A - **You must provide the results of at least one analysis for every pollutant in this table.** Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	BDL	N/A	BDL	N/A	1	N/A
Biological Oxygen Demand BOD_5	3 mg/L	N/A	3 mg/L	N/A	1	Unknown
Chemical Oxygen Demand (COD)	37 mg/L	N/A	37 mg/L	N/A	1	Unknown
Total Suspended Solids (TSS)	65 mg/L	N/A	11 mg/L	N/A	12	Soil excavations
Total Kjeldahl Nitrogen	BDL	N/A	BDL	N/A	1	N/A
Nitrate plus Nitrite Nitrogen	BDL	N/A	BDL	N/A	1	N/A
Total Phosphorus	BDL	N/A	BDL	N/A	1	N/A
pH	Minimum	Maximum	Minimum	Maximum	12	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Polynulcear Aromatic Hydrocarbons	BDL	N/A	BDL	N/A	12	Jet fuel stored on site.

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
N/A						

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
N/A					

7. Provide a description of the method of flow measurement or estimate.

N/A

VII. DISCHARGE INFORMATION	OUTFALL NO: 010

Part A - **You must provide the results of at least one analysis for every pollutant in this table.** Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
Oil and Grease	BDL	N/A	BDL	N/A	1	N/A
Biological Oxygen Demand BOD_5	3 mg/L	N/A	3 mg/L	N/A	1	Unknown
Chemical Oxygen Demand (COD)	37 mg/L	N/A	37 mg/L	N/A	1	Unknown
Total Suspended Solids (TSS)	65 mg/L	N/A	11 mg/L	N/A	12	Soil excavations
Total Kjeldahl Nitrogen	BDL	N/A	BDL	N/A	1	N/A
Nitrate plus Nitrite Nitrogen	BDL	N/A	BDL	N/A	1	N/A
Total Phosphorus	BDL	N/A	BDL	N/A	1	N/A
pH	Minimum	Maximum	Minimum	Maximum	12	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
N/A						

Part C - List each pollutant shown in Tables F-2, F-3, and F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite		
N/A						

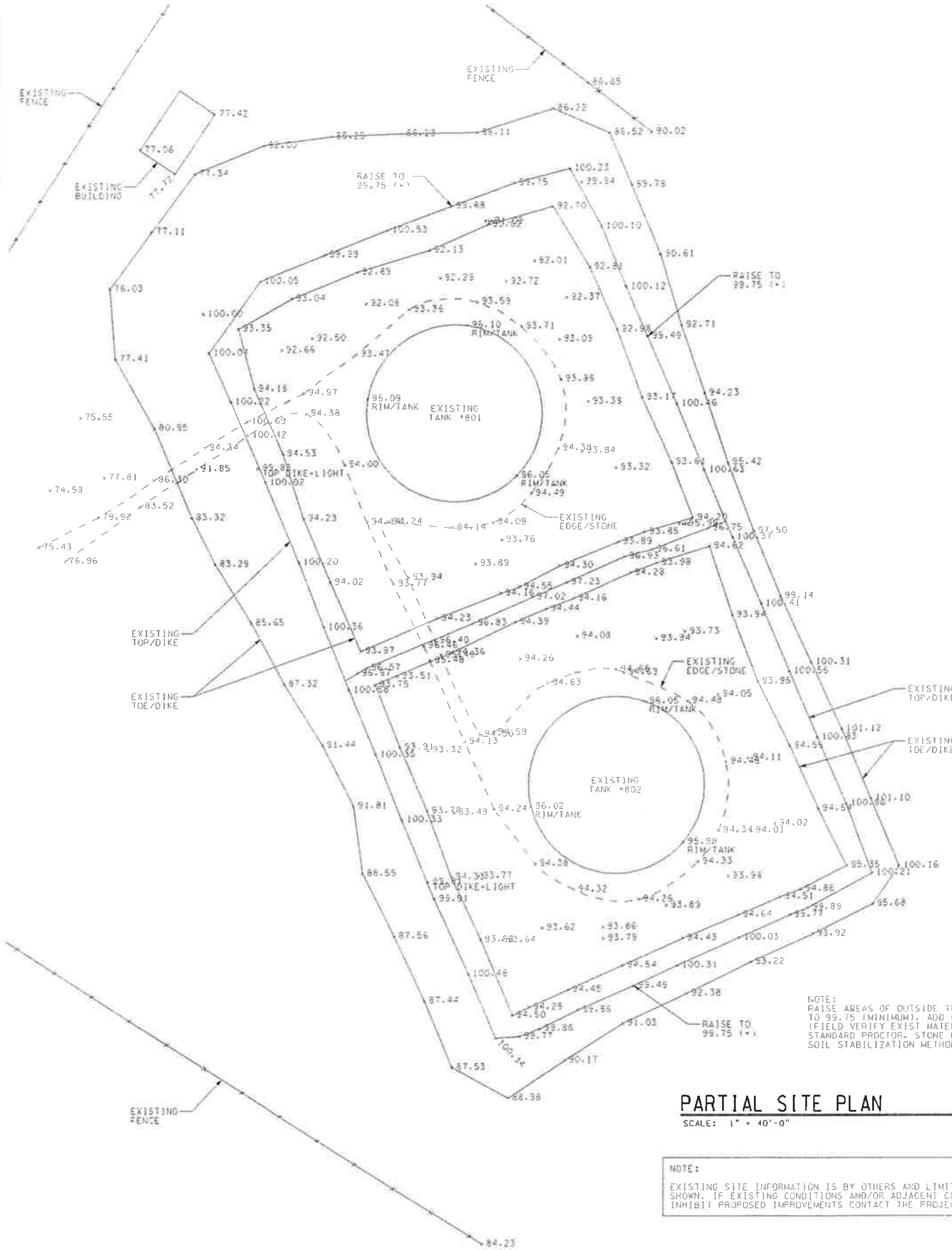
Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gal/min or specify units)	6. Total flow from rain event (gallons or specify units)
N/A					

7. Provide a description of the method of flow measurement or estimate.

N/A

Stormwater Run-off Maps
001, 002, 005, 006



NOTE:
RAISE AREAS OF OUTSIDE TOP OF DIKE NOTED THUS (•) TO 99.75 (MINIMUM). ADD CLAY TO OBTAIN NEW ELEVATIONS (FIELD VERIFY EXIST MATERIALS) AND COMPACT TO 90% STANDARD PROCTOR. STONE OR SEED TO MATCH EXISTING SOIL STABILIZATION METHODS

PARTIAL SITE PLAN

SCALE: 1" = 40'-0"

NOTE:

EXISTING SITE INFORMATION IS BY OTHERS AND LIMITED TO THAT SHOWN. IF EXISTING CONDITIONS AND/OR ADJACENT CONDITIONS INHIBIT PROPOSED IMPROVEMENTS CONTACT THE PROJECT ENGINEER.

GRAPHIC SCALE

40 0 40 80 120 160 200

(IN FEET)
1 inch = 40 feet

CONTAINMENT NOTES:

(SHARED DIKE AREA)
TANKS #801 & #802:

EXISTING CAPACITY OF CONTAINMENT AREA	= 118,620 BBLS
EXISTING CAPACITY OF LARGEST TANK	= 112,083 BBLS
110% CAPACITY OF TANK	= 123,291 BBLS
NEEDED INCREASE TO CONTAINMENT AREA	= 4,671 BBLS
IMPROVED CAPACITY OF CONTAINMENT AREA	= 124,663 BBLS

TANK NOTES:

TANK #	DIAMETER	HEIGHT	CAPACITY
801	117'	58.75'	112,014 BBLS
802	117'	58.75'	112,083 BBLS

AVCA CORPORATION
Engineers • Architects • Planners

1684 Woodlands Drive
Maumee, Oh. 43537-4057
419/893-2222
JOB No 04824

Marathon Ashland Pipe Line LLC
Findlay, Ohio 45840
Established 1998

NO.	REVISIONS	DRFTR DATE	CHKR DATE	DSGNR DATE	AVVR DATE	FILMD DATE

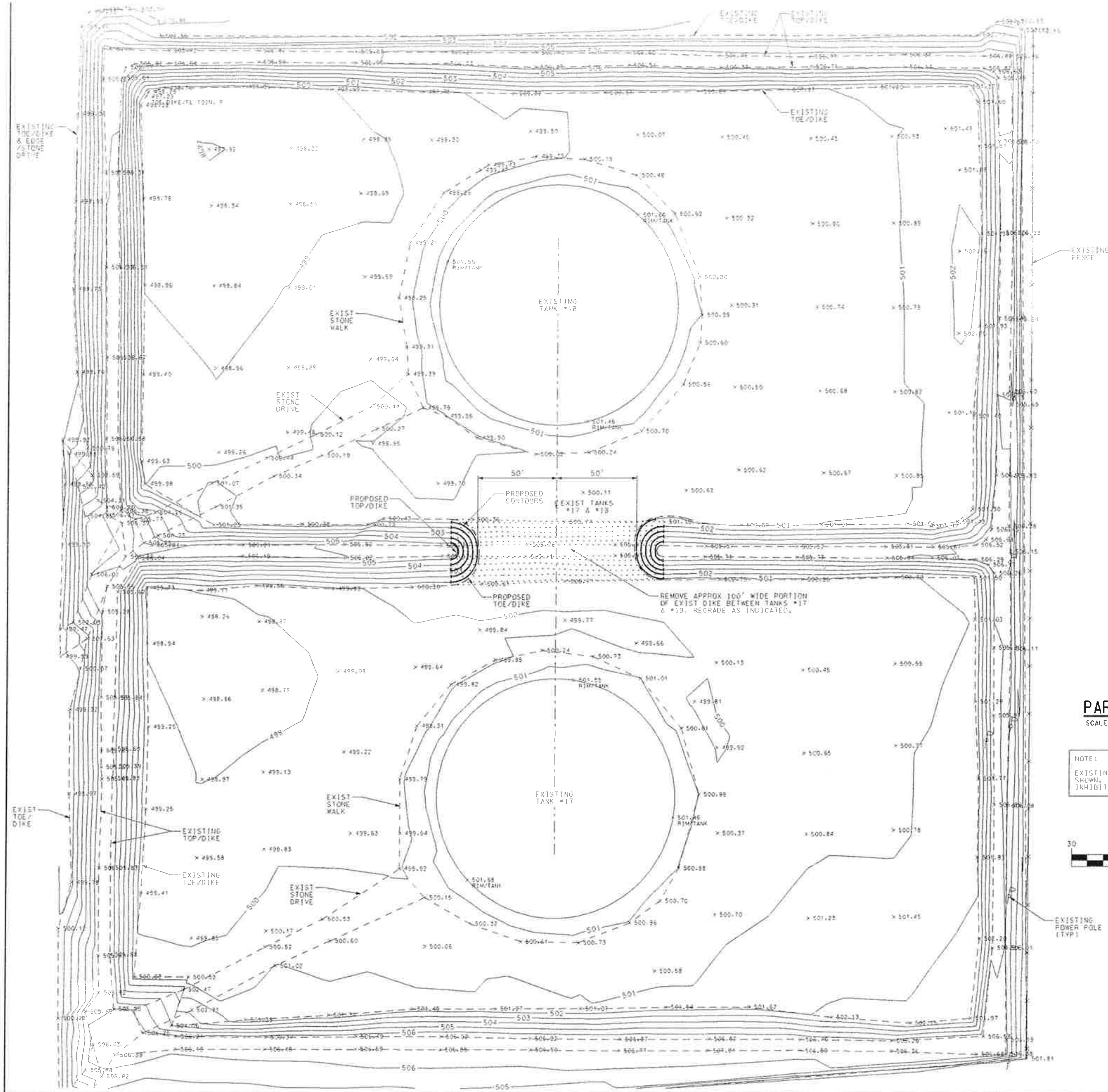
LEBANON JUNCTION

TANKS #801 AND #802
DIKE IMPROVEMENTS

LEBANON JUNCTION, KENTUCKY

SCALE	1" = 40'-0"	DATE	FILE NO.	388C0000.DGN
DRFTR	GDL	06-29-00		
CHKR			BUD. YR.	
DSGNR				
APVR			DWG. NO.	388C0000
FILMD				

\04824\makecd\388c0000.dgn May 20 2003 13:07:49



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CONTAINMENT NOTES:

TANK #17:

EXISTING CAPACITY OF CONTAINMENT AREA	= 125,281 BBLS
EXISTING CAPACITY OF TANK	= 142,247 BBLS
110% CAPACITY OF TANK	= 156,472 BBLS

TANK #18:

EXISTING CAPACITY OF CONTAINMENT AREA	= 141,659 BBLS
EXISTING CAPACITY OF TANK	= 141,973 BBLS
110% CAPACITY OF TANK	= 156,170 BBLS

NOTE:

COMBINED TANK AREAS IMPROVED CAPACITY OF CONTAINMENT = 256,693 BBLS.

TANK NOTES:

TANK #	DIAMETER	HEIGHT	CAPACITY
17	150'	45.50'	142,247 BBLS
18	150'	45.50'	141,973 BBLS

PARTIAL SITE PLAN

SCALE: 1" = 30'-0"

NOTE:

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GRAPHIC SCALE

30 0 30 60 90 120 150

(IN FEET)
1 inch = 30 feet

AVCA CORPORATION
Engineers • Architects • Planners

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Maumee, Oh. 43537-4057
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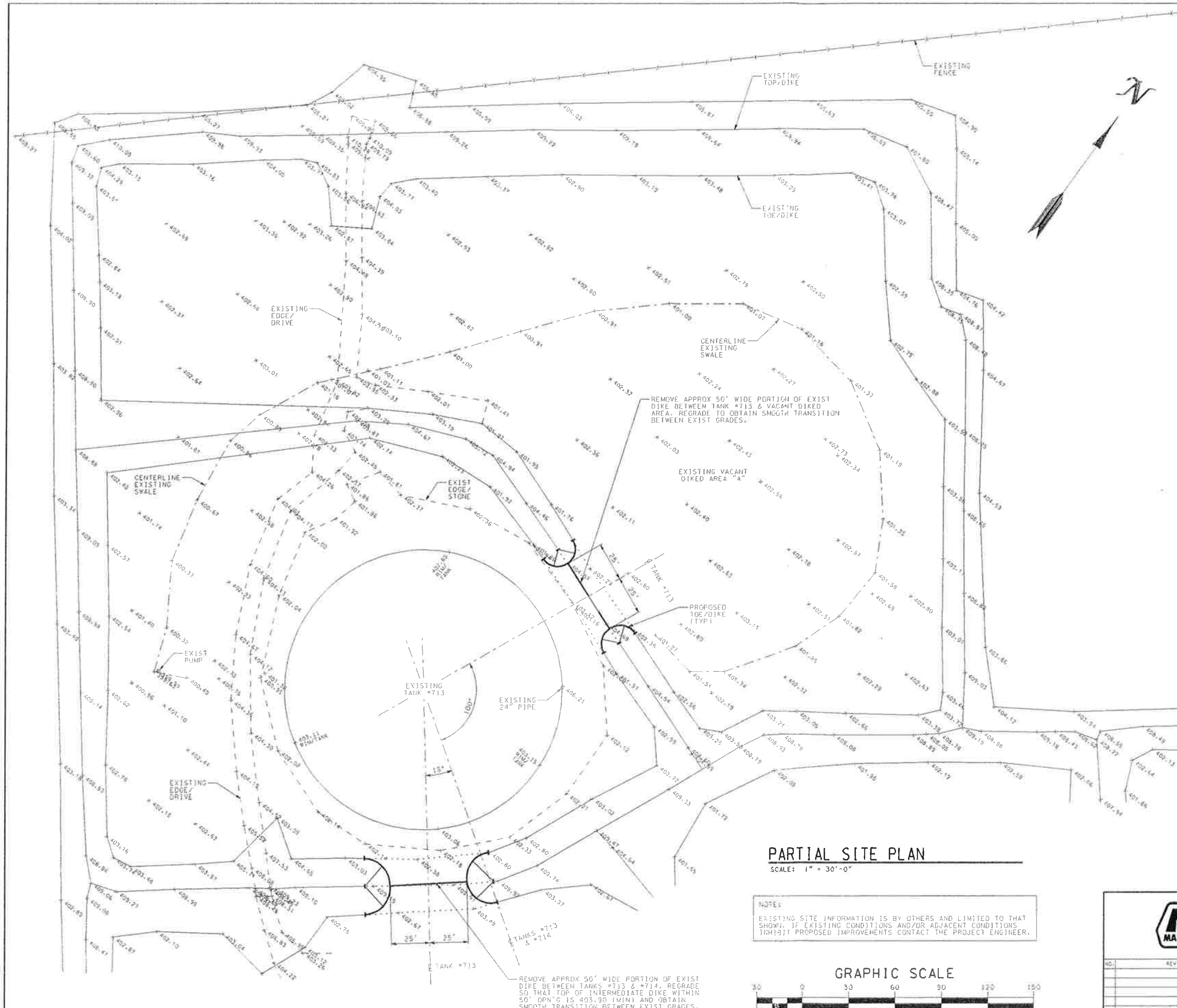
NO.	REVISIONS	DRFTR DATE	CHKR DATE	DSGN DATE	RVWR DATE	FILMD DATE

LEBANON STATION

TANKS #17 AND #18
DIKE IMPROVEMENTS

LEBANON, INDIANA

SCALE	1" = 30'-0"	DATE	FILE NO.	387c0000.DGN
DRFTR	CDL	06-29-00		
CHKR			BUD. YR.	
DSGNR				
RVWR			DWG. NO.	387c0000
FILMD				



PARTIAL SITE PLAN

SCALE: 1" = 30'-0"

NOTE:

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GRAPHIC SCALE

30 0 30 60 90 120 150

(IN FEET)
1 inch = 30 feet

CONTAINMENT NOTES:

TANK #713 (COMBINED W/ AREA "A"):

EXISTING CAPACITY OF CONTAINMENT AREA	=	17,860 BBLS
EXISTING CAPACITY OF TANK	=	190,602 BBLS
110% CAPACITY OF TANK	=	209,662 BBLS
10% CAPACITY OF TANK	=	19,060 BBLS
IMPROVED CAPACITY W/INTERMEDIATE DIKE	=	29,364 BBLS

AREA "A" (COMBINED W/#713):

EXISTING CAPACITY OF CONTAINMENT AREA	=	16,798 BBLS
EXISTING CAPACITY OF TANK	=	N/A BBLS
110% CAPACITY OF TANK	=	N/A BBLS
10% CAPACITY OF TANK	=	N/A BBLS
IMPROVED CAPACITY W/INTERMEDIATE DIKE	=	29,364 BBLS

NOTE:

COMBINED ALL TANK AREAS TO CONTAIN 110% OF LARGEST TANK. REFER TO DWG #333c0001.

TANK NOTES:

TANK #	DIAMETER	HEIGHT	CAPACITY
713	180'	42.50'	190,602 BBLS

Issued For
APPROVAL
21 FEB 2002
AVCA CORP.
Maumee, Ohio

AVCA CORPORATION
Engineers • Architects • Planners

1684 Woodlands Drive
Maumee, Oh. 43537-4057
419/893-2222
JOB No. 04824

Marathon Ashland Pipe Line LLC

Findlay, Ohio 45840
Established 1998

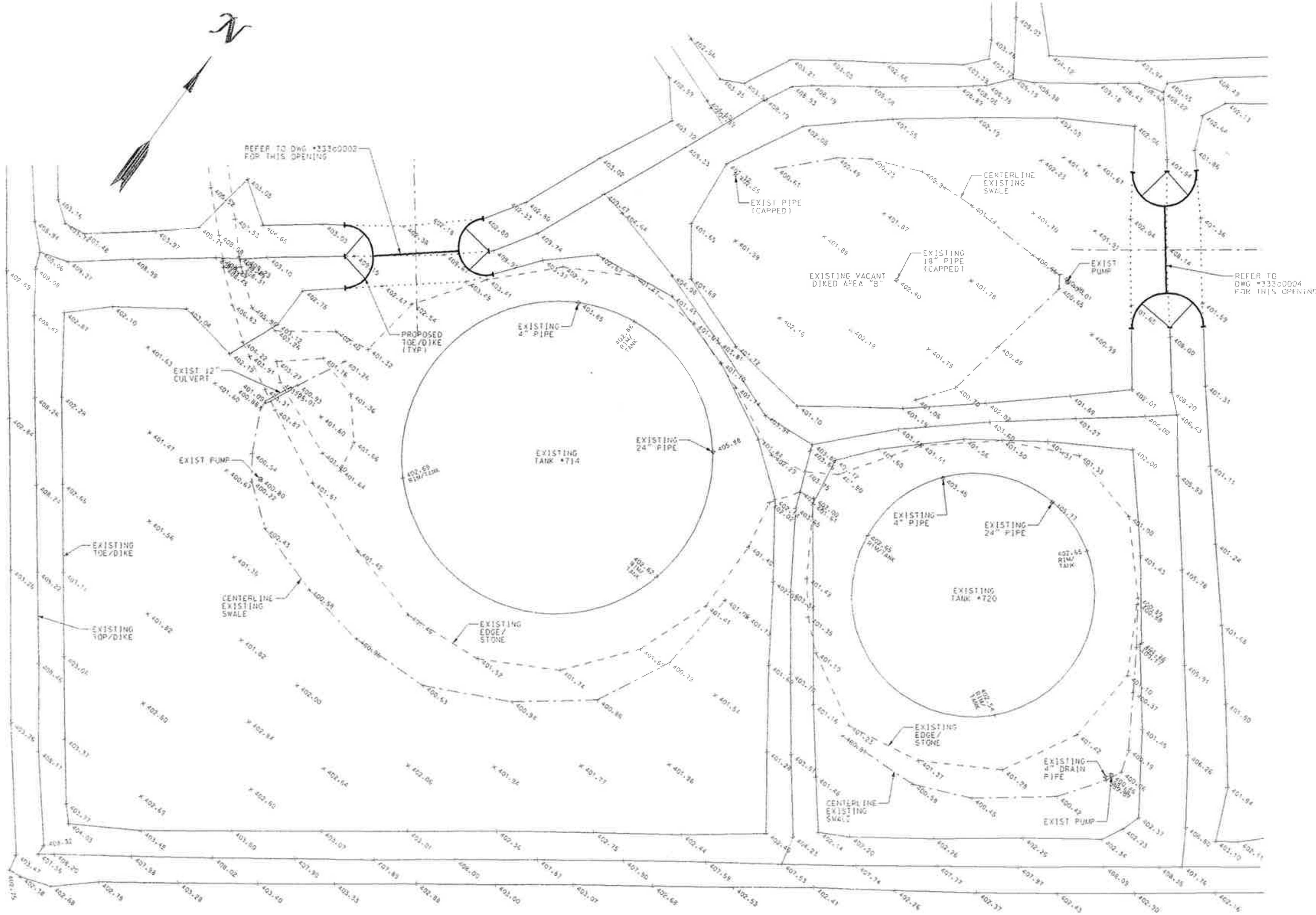
NO.	REVISIONS	DRFTN DATE	CHKR DATE	DSGN DATE	APVR DATE	FILING DATE

OWENSBURO

TANK #713 & AREA "A"
DIKE IMPROVEMENTS

OWENSBURO, KENTUCKY

SCALE	1" = 30'-0"	DATE	FILE NO.	333c0002.DGN
DRFTR	GGL			
CHKR	DJF		BUD.	
DSGN				
APVR			DWG. NO.	333c0002
FILNG				



PARTIAL SITE PLAN

SCALE: 1" = 30'-0"

NOTE:

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GRAPHIC SCALE

30 0 30 60 90 120 150

(IN FEET)
1 inch = 30 feet

CONTAINMENT NOTES:

TANK #714:

EXISTING CAPACITY OF CONTAINMENT AREA	=	29,500 BBLS
EXISTING CAPACITY OF TANK	=	190,722 BBLS
110% CAPACITY OF TANK	=	209,794 BBLS
10% CAPACITY OF TANK	=	19,072 BBLS
IMPROVED CAPACITY W/INTERMEDIATE DIKE	=	29,500 BBLS

TANK #720:

EXISTING CAPACITY OF CONTAINMENT AREA	=	12,400 BBLS
EXISTING CAPACITY OF TANK	=	115,847 BBLS
110% CAPACITY OF TANK	=	127,432 BBLS
10% CAPACITY OF TANK	=	N/A BBLS
IMPROVED CAPACITY W/INTERMEDIATE DIKE	=	N/A BBLS

AREA "B":

EXISTING CAPACITY OF CONTAINMENT AREA	=	14,107 BBLS
EXISTING CAPACITY OF TANK	=	N/A BBLS
110% CAPACITY OF TANK	=	N/A BBLS
10% CAPACITY OF TANK	=	N/A BBLS
IMPROVED CAPACITY W/INTERMEDIATE DIKE	=	N/A BBLS

NOTE:

COMBINED ALL TANK AREAS TO CONTAIN 110% OF LARGEST TANK. REFER TO DWG #333c0001.

TANK NOTES:

TANK #	DIAMETER	HEIGHT	CAPACITY
714	180'	42.50'	190,722 BBLS
720	140'	42.50'	115,847 BBLS

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APPROVAL
21 FEB 2002
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Maumee, Ohio

AVCA CORPORATION
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1684 Woodlands Drive
Maumee, Oh. 43537-4057
419/893-2222
JOB No. 04824

Marathon Ashland Pipe Line LLC
Findlay, Ohio 45840
Established 1998

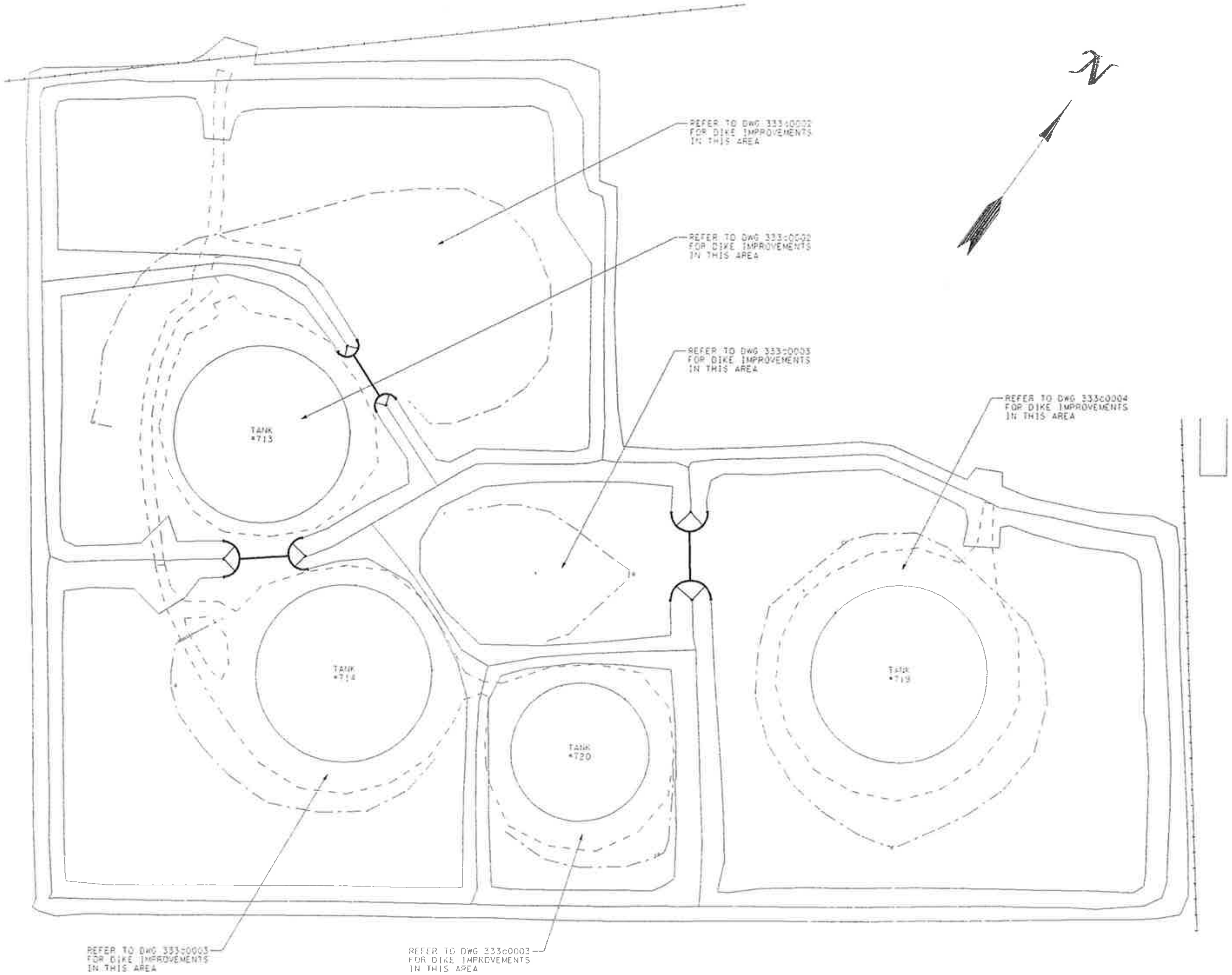
NO.	REVISIONS	DRFTR DATE	CHKR DATE	DSGNR DATE	RVWR DATE	FILMD DATE

OWENSBURO

TANK #714, #720 & AREA "B"
DIKE IMPROVEMENTS

OWENSBURO, KENTUCKY

SCALE	1" = 30'-0"	DATE	FILE NO. 333c0003.DGN
DRFTR	SOL		
CHKR	DJP		BUD. YR.
DSGNR			
RVWR			DWG. NO. 333c0003
FILMD			



SITE LOCATION PLAN

SCALE: 1" = 60'-0"

NOTE:
EXISTING SITE INFORMATION IS BY OTHERS AND LIMITED TO THAT SHOWN. IF EXISTING CONDITIONS AND/OR ADJACENT CONDITIONS INHIBIT PROPOSED IMPROVEMENTS CONTACT THE PROJECT ENGINEER.

GRAPHIC SCALE

60 0 60 120 180 240 300

(IN FEET)
1 inch = 60 feet

TANK NUMBER	CONTAINMENT BASED ON LOW POINT OF 406.48
713	58.880
714	67.477
719	186.359
720	41.019
AREA NORTH OF 713	95.172
AREA NORTH OF 714	24.501
TOTAL	473.408

MINIMUM REQUIRED
209.794 (110%)

NOTE:
COMBINE ENTIRE DIKE AREA SHOWN TO OBTAIN 110% MINIMUM OF LARGEST TANK.

110% LARGEST TANK
= 209.794 BBLS.

TOTAL EXTERNAL DIKE WITH 406.48 AS LOW POINT
= 473.400 BBLS.

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NO.	REVISIONS	DRFTR DATE	CHKR DATE	DSGR DATE	RVWR DATE	FTLMG DATE

OWENSBURO

SITE LOCATION PLAN
DIKE IMPROVEMENTS

OWENSBURO, KENTUCKY

SCALE	1" = 60'-0"	DATE	FILE NO.	333c0001.DGN
DRFTR				
CHKR			SUB. NO.	
DSGR				
RVWR			DWG. NO.	333c0001
FTLMG				

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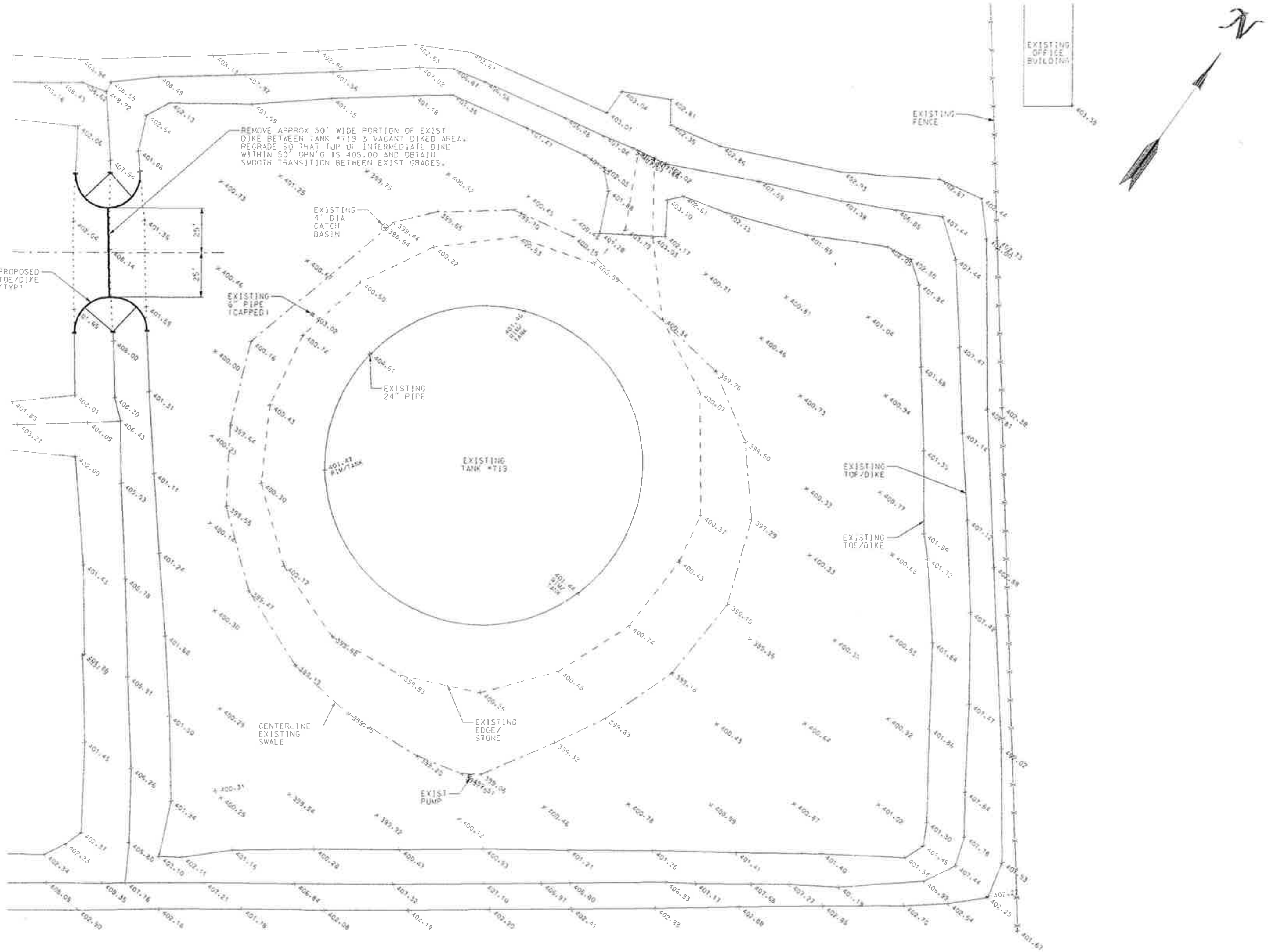

PARTIAL SITE PLAN

SCALE: 1" = 30'-0"

NOTE:

EXISTING SITE INFORMATION IS BY OTHERS AND LIMITED TO THAT SHOWN. IF EXISTING CONDITIONS AND/OR ADJACENT CONDITIONS INHIBIT PROPOSED IMPROVEMENTS CONTACT THE PROJECT ENGINEER.

GRAPHIC SCALE

30 0 30 60 90 120 150

(IN FEET)
1 inch = 30 feet

CONTAINMENT NOTES:

TANK #719:

EXISTING CAPACITY OF CONTAINMENT AREA	= 162,822 BBLS
EXISTING CAPACITY OF TANK	= 190,531 BBLS
110% CAPACITY OF TANK	= 209,584 BBLS
10% CAPACITY OF TANK	= 19,053 BBLS
IMPROVED CAPACITY W/INTERMEDIATE DIKE	= 139,224 BBLS

NOTE:

COMBINED ALL TANK AREAS TO CONTAIN 110% OF LARGEST TANK. REFER TO DWG #333c0001.

TANK NOTES:

TANK #	DIAMETER	HEIGHT	CAPACITY
719	180'	42.50'	190,531 BBLS

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NO.	REVISIONS	DRFTR DATE	CHKR DATE	DSGNR DATE	RVWR DATE	FILMD DATE

OWENSBURO

TANK #719
DIKE IMPROVEMENTS

OWENSBURO, KENTUCKY

SCALE	1" = 30'-0"	DATE	FILE NO.	333c0004.DGN	
DRFTR	GDL	[illegible]			
CHKR	DJF	[illegible]	BUD. NO.		
DSGNR					
RVWR			DWG. NO.	333c0004	
FILMD					

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